RESTRICTED CIRCULATION

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Agricultural Memorandum No 728

Agroclimatic area averages 1941-70 - earth temperatures at 1 foot

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Averages of 1 foot earth temperatures were available from Met O 3 for a (very limited) number of stations. These were reduced to m.s.l. using the height corrections of Ag Mem 605; maps were (hopefully) drawn and the values for the agroclimatic areas read off; thereafter being readjusted to average area height.

The results so obtained were checked by deducing the growing season (over 6°C) and comparing the results with the dates quoted in Ag Mem 695. There were surprisingly few major discrepancies, and only a few adjustments had to be made, including changes to the Ag Mem 695 values for Areas 5 (minus 6), 18A (plus 3), 38A (plus 5), 45A (plus 2) and 47 (plus 5).

The results are shown in the Appendix.

Any comments or suggestions on this paper should be referred to the author.

Meteorological Office
Bracknell

April 1975

APPENDIX

Areal average 1 ft earth temperatures (°C), 1941-1970

AREA	J	F	M	A	M	Jn	Jy	A	S	O	N	D
1N	2.9	2.9	4.3	7.0	10.7	14.0	15.4	15.3	13.9	10.9	6.9	4.3
1S	2.9	2.9	4.4	7.1	10.9	14.1	15.6	15.5	14.0	11.0	7.0	4.3
2	2.4	2.3	3.5	6.2	9.9	13.1	14.8	14.7	13.0	10.0	6.1	3.6
3	3.1	3.1	4.2	7.2	11.0	14.5	16.0	15.8	13.6	10.7	6.8	4.4
4	2.0	2.0	3.2	5.6	9.1	12.6	14.0	14.0	12.0	9.2	5.5	3.2
5	2.8	2.9	4.4	7.4	10.7	14.0	15.7	15.6	13.8	10.9	6.9	4.2
6	2.0	2.1	3.0	5.4	9.0	12.4	13.8	13.6	11.9	8.9	5.4	3.3
7	2.7	2.6	3.9	6.4	9.6	13.0	14.7	14.5	13.0	10.0	6.3	3.9
8	3.0	3.1	4.4	7.7	10.8	14.6	16.1	15.8	13.6	10.8	6.7	4.2
9	3.7	3.8	5.2	8.4	11.3	15.2	16.6	16.3	14.1	11.5	7.5	4.9
10	2.6	2.5	3.5	6.3	9.4	13.0	14.4	14.2	12.9	9.7	5.9	3.8
11	2.8	2.8	4.0	7.1	10.5	13.9	15.5	15.4	13.4	10.5	6.6	4.2
12	3.1	3.2	4.5	7.8	11.2	14.7	16.3	16.1	14.2	11.1	7.2	4.5
13	3.1	3.2	4.5	7.6	10.9	14.3	16.1	15.9	14.0	10.8	7.0	4.4
14	3.6	3.8	5.4	8.4	11.0	15.0	16.3	16.0	14.2	11.6	7.8	5.3
15W	3.1	3.2	4.4	7.4	10.8	14.3	15.6	15.3	13.7	10.8	6.9	4.4
15E	3.2	3.3	4.7	7.6	11.2	14.5	16.2	15.9	14.0	11.1	6.9	4.5
16	3.0	3.1	4.6	7.7	11.1	14.8	16.5	16.3	14.3	11.3	7.1	4.3
17W	3.3	3.4	4.6	7.6	11.1	14.5	16.1	16.0	14.2	11.3	7.4	4.9
17E	3.3	3.3	4.5	7.5	10.9	14.4	16.0	15.9	14.1	11.1	7.3	4.8
18N	3.6	3.7	5.2	8.0	11.2	14.8	16.1	15.8	14.3	11.5	7.5	5.2
18S	3.4	3.5	4.8	7.4	10.8	14.1	15.6	15.4	14.1	11.0	7.0	5.0
19	3.5	3.6	5.0	8.3	11.8	15.3	17.0	16.7	14.7	11.4	7.2	5.1
20	3.1	3.2	4.9	8.4	11.9	15.6	17.1	16.7	14.7	11.2	7.1	4.6
21	3.4	3.4	5.3	8.8	12.4	15.9	17.3	16.9	15.0	11.6	7.3	4.7
22W	3.2	3.2	4.8	8.1	11.9	15.2	16.8	16.4	14.8	11.2	7.1	4.5
22E	3.3	3.3	4.9	8.1	12.0	14.8	16.6	16.3	14.8	11.4	7.2	4.7
23	3.7	3.7	5.1	8.2	11.3	14.7	16.4	16.2	14.6	11.5	7.6	5.2
24	3.6	3.7	5.1	8.2	11.3	14.8	16.4	16.4	14.7	11.8	7.7	5.4
25N	3.9	4.0	5.4	8.5	11.8	15.1	16.7	16.4	14.7	11.5	7.6	5.4
25S	4.0	4.1	5.6	8.9	12.1	15.6	17.0	16.8	14.8	11.9	7.9	5.5
26	3.2	3.3	5.0	8.5	12.1	15.5	17.1	16.8	14.9	11.3	7.0	4.7
27	3.5	3.5	5.0	8.3	12.0	15.3	16.9	16.6	15.0	11.3	7.3	4.8
28	3.6	3.6	5.2	8.5	12.2	15.4	17.1	16.8	15.1	11.6	7.4	4.8
29	3.7	3.7	5.1	8.6	12.1	15.4	17.2	17.1	15.3	11.8	7.7	5.2
30	3.8	3.9	5.5	8.9	11.9	15.3	16.9	16.7	14.9	11.8	7.8	5.3
31N	3.7	3.7	5.2	8.4	11.8	15.4	17.1	16.7	14.8	11.4	7.3	4.8
31S	4.0	4.1	5.3	8.5	11.9	15.3	17.0	16.7	14.7	11.5	7.5	5.4
32	4.0	4.0	5.4	8.7	12.0	15.3	17.3	17.1	15.3	11.9	7.9	5.4
33W	3.5	3.4	5.1	8.3	11.9	15.1	16.7	16.5	15.0	11.4	7.5	4.9
33E	3.8	3.9	5.5	8.9	12.4	15.5	17.2	17.2	15.6	12.4	8.1	5.5
34	4.0	4.1	5.5	8.8	12.2	15.6	17.3	17.2	15.6	12.4	8.3	5.7
35	4.3	4.2	5.8	8.8	12.2	15.3	16.8	16.6	14.9	12.3	8.5	5.9
36	3.8	3.8	5.2	8.3	11.4	14.6	16.3	16.1	14.4	11.5	7.6	5.3
37N	4.0	4.0	5.6	8.6	12.6	15.8	17.5	17.4	15.5	12.3	8.3	5.7
37S	4.2	4.2	5.8	8.8	12.5	15.6	17.4	17.4	15.8	12.8	8.4	5.8
38N	3.8	3.8	5.4	8.5	12.5	15.7	17.4	17.3	15.4	12.2	8.1	5.5
38S	4.2	4.2	5.8	8.8	12.5	15.6	17.4	17.4	15.8	12.8	8.4	5.9
39W	3.9	3.9	5.2	8.4	12.3	15.3	17.1	17.0	15.3	12.0	7.8	5.4
39E	4.4	4.4	5.7	8.9	12.7	15.9	17.7	17.7	16.1	12.9	8.4	5.9
40	5.9	5.8	7.0	9.8	12.5	15.2	16.7	16.6	15.4	12.8	9.4	7.2

AREA	J	F	M	A	M	Jn	Jy	A	S	O	N	D
41	5.2	5.2	6.4	9.4	12.6	15.0	16.6	16.4	15.3	12.5	8.9	6.8
42	5.3	5.3	6.6	9.5	12.6	15.0	16.6	16.5	15.3	12.6	9.0	6.9
43N	4.8	4.7	5.6	8.2	11.2	13.8	15.5	15.4	14.3	11.6	8.4	6.0
43S	5.6	5.5	6.8	9.6	12.5	15.2	16.8	16.7	15.4	12.7	9.4	7.0
44	5.1	5.1	5.9	8.8	12.0	14.5	16.2	16.0	14.8	11.9	8.5	6.0
45W	4.9	4.9	6.3	9.2	12.3	15.0	16.9	16.8	15.4	12.6	9.0	6.8
45E	4.8	4.8	6.2	9.2	12.4	15.2	17.0	16.8	15.5	12.7	9.0	6.6
46	4.8	4.8	6.3	9.4	12.8	15.8	17.8	17.6	15.7	12.8	9.1	6.6
IOW	5.3	5.3	7.2	10.5	13.8	17.0	18.6	18.4	16.6	13.8	9.7	7.0
47	4.8	4.8	5.8	8.3	11.5	15.0	16.4	16.2	14.5	11.9	8.0	6.2
48N	3.2	3.2	4.0	6.5	9.7	13.0	14.6	14.4	12.8	10.3	6.7	4.7
48S	3.2	3.2	4.2	6.7	9.6	12.7	14.2	14.1	12.7	10.2	6.7	4.8
49N	3.2	3.2	4.0	6.7	9.8	13.1	14.8	14.5	12.9	10.4	6.8	4.8
49S	3.4	3.5	4.3	7.0	10.0	12.9	14.6	14.4	12.9	10.5	7.0	5.2
50	4.6	4.8	5.6	8.8	11.8	14.8	16.3	16.0	14.4	11.7	8.1	6.0
51	3.5	3.7	4.4	7.3	10.6	14.0	15.5	15.3	13.3	10.7	7.0	5.3
52	4.3	4.4	5.6	9.2	12.2	15.7	16.9	16.6	15.0	11.8	8.0	5.7